

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415255

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3411 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

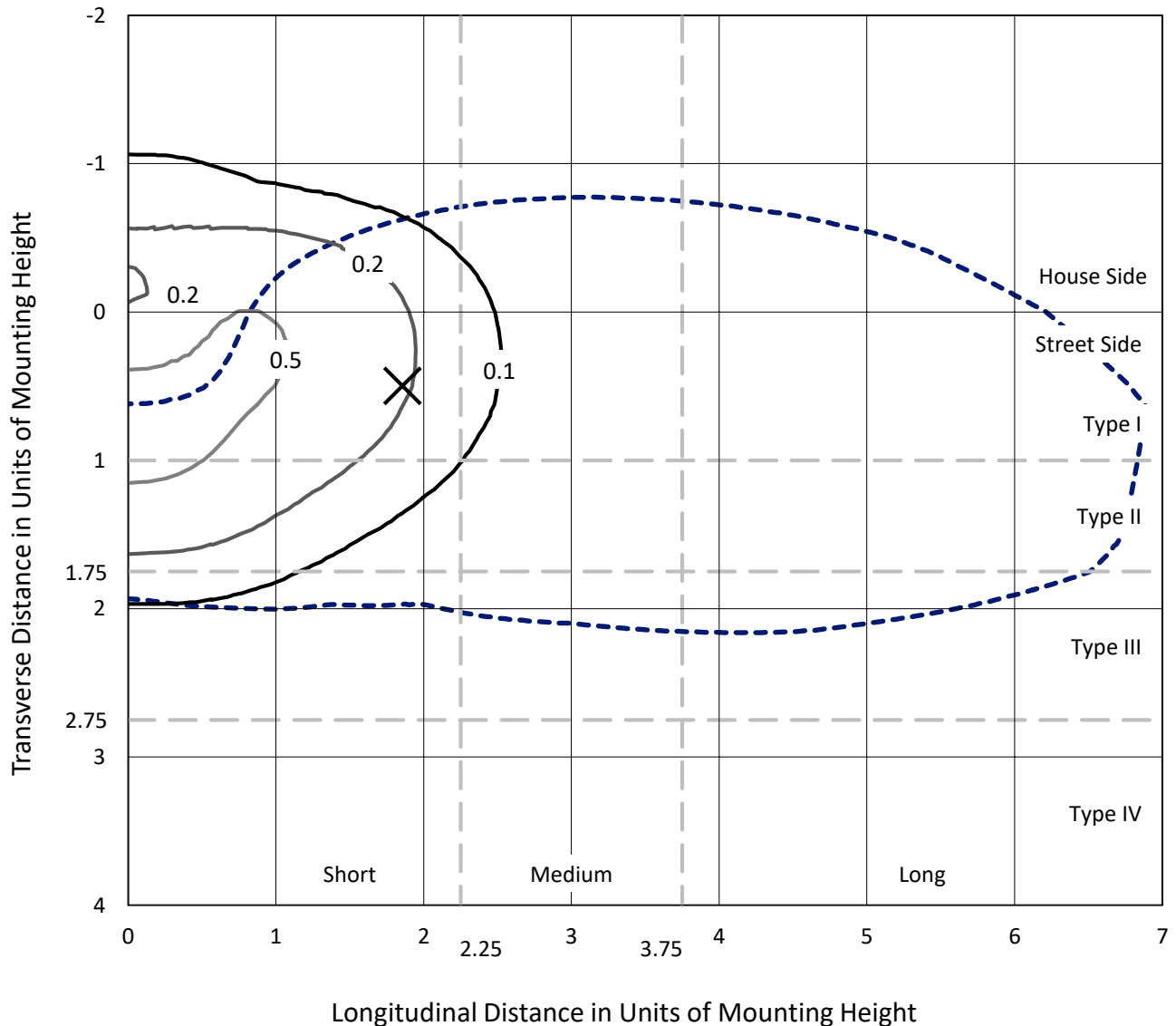


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

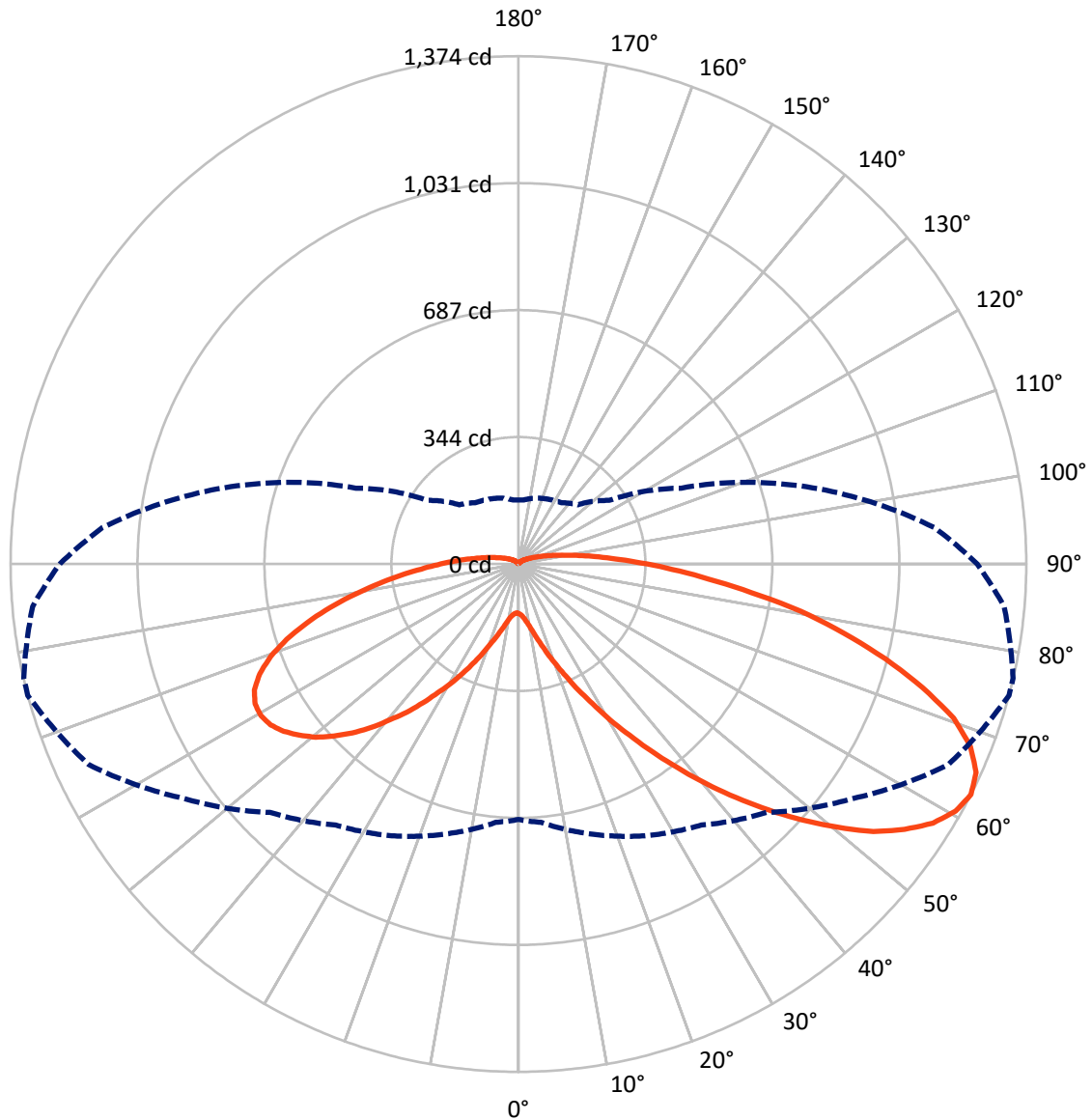


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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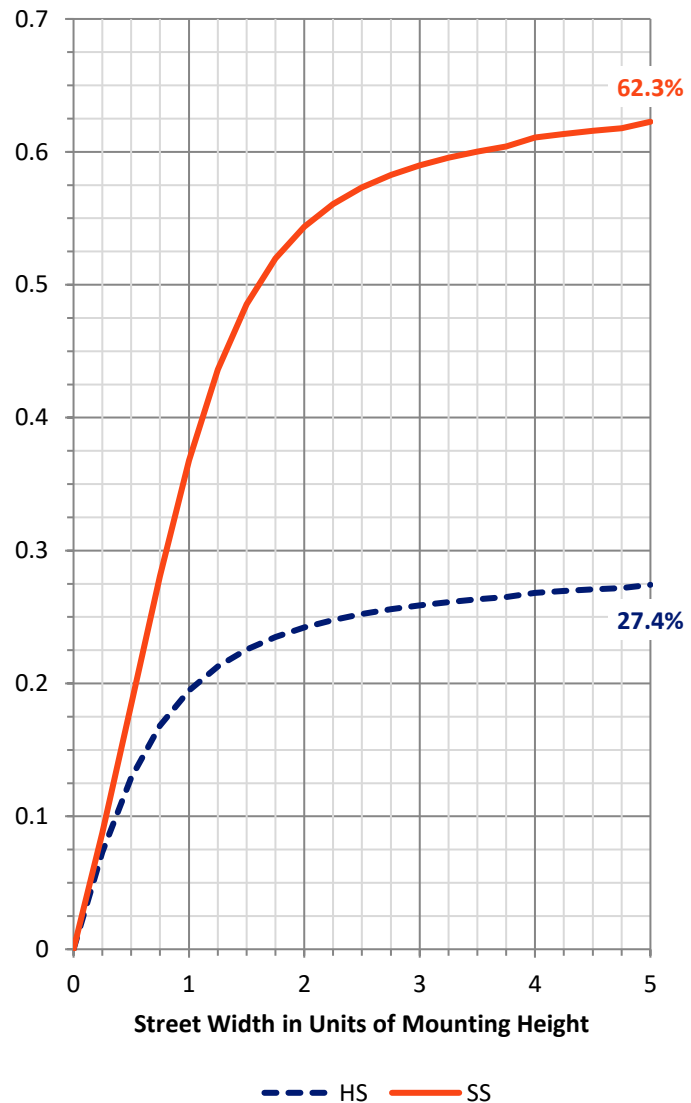
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.5	103.7	1079.2
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	2189.4	142.4	2331.8
	% Fixture	64.2	4.2	68.4
Total	Lumens	3164.9	246.1	3411.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.4
10°-20°	59.3	1.7
20°-30°	153.6	4.5
30°-40°	314.3	9.2
40°-50°	521.2	15.3
50°-60°	676.2	19.8
60°-70°	666.0	19.5
70°-80°	489.4	14.3
80°-90°	270.8	7.9
90°-100°	127.9	3.7
100°-110°	61.1	1.8
110°-120°	31.2	0.9
120°-130°	16.2	0.5
130°-140°	7.4	0.2
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3164.9	92.8
0°-180°	3411.0	100.0



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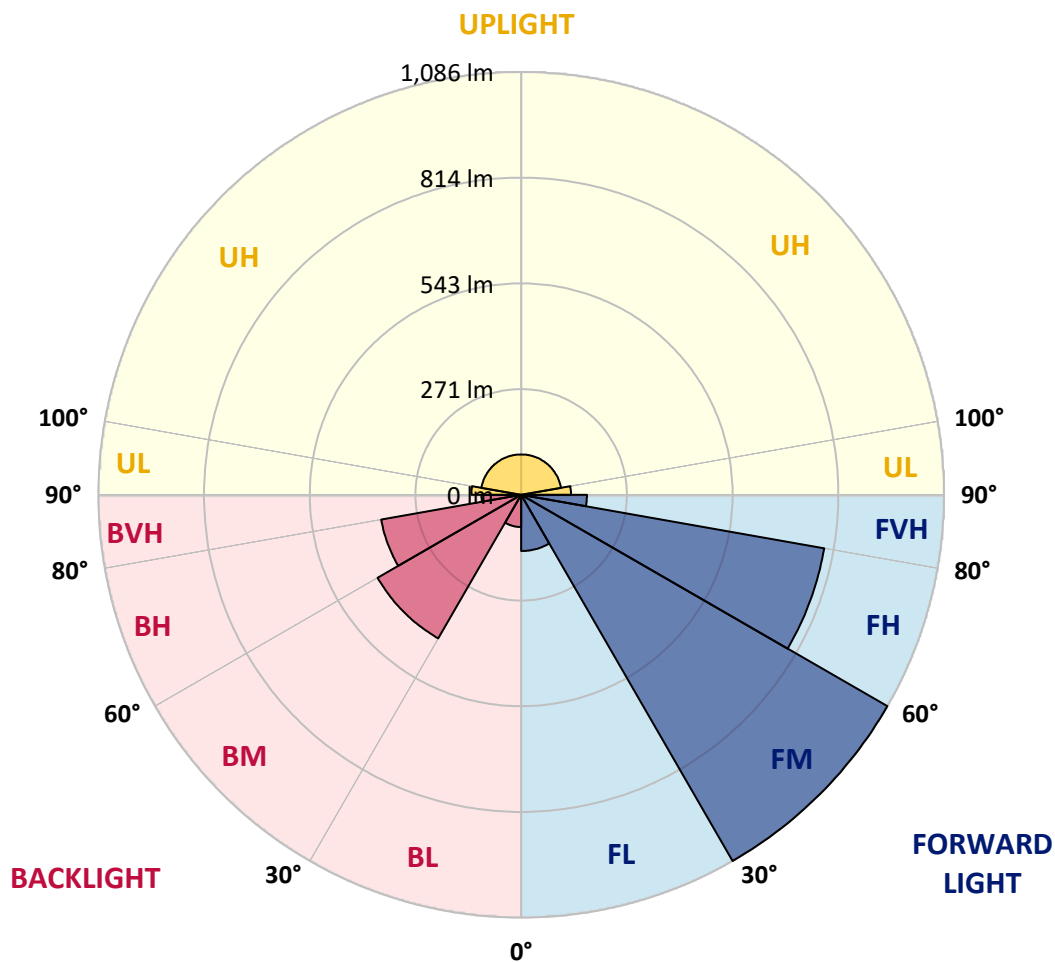
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.3	4.2			
FM	(30°-60°)	1085.9	31.8			
FH	(60°-80°)	790.4	23.2			G1/1800
FVH	(80°-90°)	168.8	4.9			G2/225
BL	(0°-30°)	82.8	2.4	B0/110		
BM	(30°-60°)	425.8	12.5	B1/1000		
BH	(60°-80°)	364.9	10.7	B1/500		G1/500
BVH	(80°-90°)	102.0	3.0			G2/225
UL	(90°-100°)	127.9	3.7		U3/500	
UH	(100°-180°)	103.7	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	149.3	148.1	147.3	146.1	145.3	143.7	142.1	139.6	137.6	137.2	135.6
5°	165.0	163.0	163.0	161.0	158.1	156.1	152.9	148.9	145.7	143.7	142.1
7.5°	185.1	183.5	181.5	179.9	177.1	173.4	169.0	163.8	157.3	156.1	152.1
10°	207.6	206.8	205.2	202.0	198.4	193.6	187.5	181.1	173.8	172.6	165.8
12.5°	237.4	237.4	235.0	230.6	225.4	216.5	211.3	204.4	196.0	194.8	185.1
15°	274.0	272.4	269.2	261.6	255.5	248.3	241.9	233.0	221.7	219.7	210.9
17.5°	314.3	311.1	309.5	302.2	294.2	285.3	276.5	266.8	254.3	251.1	240.6
20°	359.4	361.4	355.3	347.3	335.2	326.4	316.3	303.8	290.1	287.7	275.3
22.5°	416.1	414.5	406.0	394.8	383.1	373.4	360.6	348.1	329.6	327.2	312.7
25°	478.9	477.3	466.4	452.3	439.0	421.7	406.8	393.6	378.3	374.6	357.3
27.5°	540.4	548.5	532.0	514.7	499.0	479.7	462.0	445.1	427.8	425.0	406.8
30°	624.5	626.6	607.2	583.5	562.2	538.0	519.5	504.2	489.3	480.1	463.6
32.5°	712.3	705.8	690.5	661.6	627.8	600.8	580.3	566.2	552.1	547.3	523.1
35°	799.2	799.2	775.5	736.4	692.2	664.8	644.7	636.2	623.3	615.7	588.7
37.5°	884.5	883.3	859.2	813.3	767.8	730.4	717.5	707.8	699.0	691.3	658.4
40°	968.6	966.6	937.6	893.0	839.8	801.2	790.7	792.4	781.9	771.4	738.4
42.5°	1036.2	1035.4	1012.5	967.8	904.2	870.0	859.6	869.2	864.4	854.3	815.7
45°	1090.1	1086.5	1068.4	1022.9	965.4	929.2	932.0	955.3	949.7	944.9	897.0
47.5°	1112.7	1112.3	1102.2	1062.8	1009.7	984.3	1000.4	1033.0	1035.0	1031.0	977.5
50°	1106.6	1108.3	1107.4	1083.3	1039.8	1027.0	1057.9	1113.5	1119.9	1115.9	1060.8
52.5°	1071.2	1072.0	1085.3	1074.9	1050.3	1053.9	1109.1	1180.3	1202.8	1192.0	1134.4
55°	996.4	1006.4	1032.6	1038.6	1035.4	1060.0	1139.6	1233.4	1267.6	1264.0	1198.4
57.5°	919.1	914.3	951.7	980.7	997.6	1043.9	1149.7	1271.2	1322.7	1317.9	1255.5
60°	806.4	813.7	859.6	901.0	936.8	1005.2	1140.4	1291.3	1358.6	1355.7	1297.4
62.5°	691.3	701.8	756.1	811.3	862.4	950.5	1105.8	1283.7	1374.2	1373.8	1319.5
65°	583.1	594.4	644.3	711.1	776.3	876.5	1045.5	1251.1	1361.0	1361.8	1315.5
67.5°	486.9	493.0	545.3	618.9	682.5	789.5	967.8	1186.7	1319.1	1323.5	1283.3
70°	401.2	405.6	456.3	521.9	595.6	692.6	873.6	1104.2	1249.1	1250.7	1225.4
72.5°	329.2	333.2	381.9	440.2	508.3	607.6	776.7	991.6	1143.7	1159.8	1136.0
75°	263.2	271.2	313.1	369.8	430.6	519.1	674.0	870.4	1025.4	1039.0	1035.4
77.5°	214.5	225.4	258.8	307.4	363.4	440.2	571.4	750.9	900.2	911.5	914.3
80°	173.0	181.1	214.5	257.5	305.0	371.8	477.7	634.2	774.2	775.5	774.2
82.5°	140.4	146.5	176.3	215.3	257.1	312.7	400.4	529.2	635.0	647.9	650.3
85°	114.3	118.7	144.5	179.5	214.9	262.0	330.4	432.2	515.9	529.2	524.7
87.5°	91.8	97.8	118.3	148.1	181.1	218.5	274.8	349.7	416.5	422.1	421.3
90°	75.3	77.3	97.8	123.1	152.9	181.5	224.5	281.7	331.6	341.7	334.8
92.5°	60.8	64.0	81.3	104.2	127.6	152.5	186.3	231.4	262.4	268.4	265.2
95°	51.1	52.7	68.4	87.3	107.4	130.0	153.7	184.7	207.6	209.7	210.5
97.5°	42.7	44.3	57.1	74.4	91.8	109.9	128.0	150.9	166.2	165.8	164.6
100°	36.6	37.4	49.1	64.8	80.1	93.4	107.4	121.5	130.8	133.6	129.2
102.5°	31.8	32.2	42.3	55.9	68.8	80.5	90.9	101.0	104.6	105.0	103.0
105°	28.2	28.6	37.0	48.3	60.0	68.8	76.9	82.9	84.5	84.5	82.1
107.5°	24.9	25.4	31.8	42.7	53.1	60.4	66.0	69.2	68.4	68.0	66.4
110°	22.9	22.9	28.2	37.8	46.3	52.7	57.1	57.5	55.5	55.5	53.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	20.9	20.9	24.9	33.4	41.0	46.7	49.5	48.7	45.9	45.1	45.1
115°	19.3	19.3	22.1	29.4	36.6	41.0	43.1	41.0	37.8	37.4	37.0
117.5°	18.1	18.1	20.1	26.2	32.2	36.2	37.4	35.4	31.8	31.4	31.4
120°	16.9	16.9	18.5	22.9	28.6	31.8	32.6	30.2	26.6	26.6	27.0
122.5°	16.1	16.1	16.9	20.5	25.4	28.2	28.2	25.8	22.5	22.5	22.9
125°	15.3	15.3	15.7	18.1	22.1	24.5	24.1	21.3	19.3	19.3	19.7
127.5°	14.5	14.5	14.5	16.1	19.3	21.3	20.9	18.1	16.5	16.5	17.3
130°	13.7	13.7	13.3	14.1	16.5	18.1	17.3	15.3	14.1	14.1	14.9
132.5°	12.9	12.9	12.1	12.5	14.1	14.9	14.1	12.5	12.1	12.1	12.5
135°	12.1	11.7	11.3	10.9	11.7	12.1	11.3	10.1	10.1	10.1	10.9
137.5°	10.9	10.9	10.1	9.3	9.3	9.3	8.9	7.6	8.0	8.5	8.9
140°	10.1	10.1	9.3	8.0	7.2	7.2	6.4	6.0	6.4	6.8	7.2
142.5°	8.9	8.9	8.0	6.8	5.6	4.8	4.4	4.0	4.8	5.2	5.2
145°	7.6	7.6	6.8	5.2	4.0	2.8	2.4	2.8	3.2	3.6	4.0
147.5°	6.4	6.0	5.2	4.0	2.0	1.2	0.8	1.6	2.0	2.0	2.4
150°	4.8	4.8	4.0	2.8	1.2	0.0	0.4	0.8	1.2	1.2	1.6
152.5°	3.6	3.2	2.8	1.6	0.0	0.0	0.0	0.0	0.4	0.8	0.8
155°	2.0	2.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	134.8	133.6	132.0	130.8	129.6	128.0	127.2	126.0	126.0	126.0	126.8
5°	139.6	138.0	134.4	131.2	128.0	125.6	123.1	121.5	120.7	119.9	120.3
7.5°	148.5	146.5	140.8	135.2	130.8	126.4	123.1	120.3	119.1	118.7	118.7
10°	162.2	158.6	150.1	142.5	136.0	130.0	125.6	121.9	120.3	119.1	119.1
12.5°	180.7	175.5	165.4	154.9	145.3	137.2	130.8	128.0	126.8	126.0	126.4
15°	205.2	199.6	184.3	170.6	158.1	147.3	141.2	138.4	136.8	136.0	135.6
17.5°	233.8	225.8	207.2	189.5	173.8	161.8	154.1	149.7	146.9	145.3	145.7
20°	265.2	254.7	231.0	211.7	191.5	179.5	167.8	160.6	156.9	156.1	156.5
22.5°	300.6	289.7	262.4	234.2	213.3	195.2	181.1	171.8	167.4	167.0	167.0
25°	342.5	328.0	295.8	260.4	233.4	210.5	194.0	182.7	177.9	176.3	176.3
27.5°	389.9	370.6	330.8	290.1	253.1	224.1	204.8	192.0	186.7	185.5	185.5
30°	442.3	422.1	371.4	318.3	272.0	236.2	214.5	200.8	194.0	192.4	192.8
32.5°	499.8	473.6	409.7	348.5	288.5	245.9	220.9	207.2	199.6	197.6	197.6
35°	562.2	531.6	455.1	377.9	304.2	253.5	225.8	211.7	203.2	201.2	200.8
37.5°	632.2	594.0	502.2	404.8	316.7	258.4	229.0	214.5	205.2	202.4	202.0
40°	705.4	661.6	545.7	429.4	327.2	261.2	229.8	215.7	206.0	201.6	201.2
42.5°	773.8	725.6	595.2	451.9	333.6	262.4	229.4	215.3	205.2	199.2	198.8
45°	849.5	790.3	640.6	472.4	337.6	261.6	227.8	213.3	203.6	196.0	195.2
47.5°	928.8	860.8	682.5	487.3	339.2	259.2	225.8	211.7	200.8	192.4	191.5
50°	1000.4	921.1	721.5	499.0	338.4	255.5	222.5	209.3	198.4	188.7	187.9
52.5°	1070.4	984.3	752.1	505.4	334.4	251.5	219.7	206.4	195.6	185.5	184.3
55°	1134.0	1034.2	779.5	508.3	329.2	246.3	215.7	204.0	193.2	182.3	181.1
57.5°	1183.1	1081.3	799.6	504.6	321.1	240.2	211.7	200.4	190.3	179.5	178.3
60°	1219.3	1112.3	808.9	497.8	311.9	233.4	206.8	196.8	187.5	177.1	175.9
62.5°	1241.0	1129.6	806.8	485.7	300.2	226.6	202.4	193.2	184.7	174.2	173.4
65°	1237.4	1122.7	791.6	466.4	287.7	217.7	195.6	188.3	180.7	171.0	169.8
67.5°	1208.0	1095.0	760.6	442.3	273.6	208.9	189.1	181.9	175.5	167.0	164.6
70°	1155.7	1043.9	715.9	412.1	257.5	198.8	181.5	174.6	169.0	161.0	158.6
72.5°	1067.6	969.4	659.2	380.7	240.2	187.1	171.4	165.8	159.8	153.3	150.5
75°	967.0	876.1	592.4	343.7	221.7	175.5	161.0	155.3	149.7	142.9	140.4
77.5°	857.5	770.2	523.1	311.1	202.8	162.2	149.3	144.5	138.8	131.6	128.8
80°	726.8	657.1	449.5	273.6	183.9	149.3	137.2	132.0	126.0	119.1	116.3
82.5°	608.9	547.3	381.5	239.8	165.0	136.0	125.6	117.9	112.3	105.4	100.6
85°	497.8	454.7	319.9	206.0	147.3	122.3	111.9	105.4	99.0	90.9	87.7
87.5°	400.4	363.8	262.8	177.9	130.0	109.1	99.4	93.0	85.7	77.3	74.4
90°	316.7	294.2	218.5	152.9	115.1	97.8	88.1	81.3	73.2	65.6	64.0
92.5°	251.1	235.4	180.7	130.0	101.4	86.5	77.7	70.8	62.8	55.1	52.7
95°	202.0	186.7	148.1	113.5	88.9	76.1	68.4	62.0	53.9	46.3	44.7
97.5°	161.4	149.3	121.5	95.4	78.1	67.6	60.8	53.9	45.9	39.0	38.2
100°	126.4	119.1	100.6	82.1	68.8	60.0	53.5	47.5	39.4	32.6	32.2
102.5°	101.0	97.0	83.7	70.8	60.4	53.1	47.9	41.4	34.2	27.8	27.4
105°	81.3	78.9	69.6	60.8	53.5	47.5	42.7	36.2	29.0	23.7	23.7
107.5°	66.0	64.0	58.4	51.9	47.1	42.7	37.4	31.8	24.9	20.5	20.5
110°	53.9	53.1	49.5	45.1	41.4	37.8	33.0	27.4	21.3	18.1	18.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.1	44.7	41.9	39.4	36.6	33.4	29.4	24.1	18.5	15.7	16.1
115°	37.4	37.4	35.8	34.2	32.2	29.8	25.8	20.5	15.7	14.1	14.1
117.5°	31.8	31.4	31.0	29.8	28.6	26.2	22.1	17.7	13.3	12.5	12.9
120°	27.4	27.4	26.6	26.2	24.9	22.5	19.3	14.9	11.3	11.3	11.3
122.5°	23.3	23.7	22.9	22.5	21.7	20.1	16.5	12.5	10.1	9.7	10.1
125°	20.5	20.5	20.1	19.7	18.9	16.9	14.1	10.5	8.5	8.9	8.9
127.5°	17.3	17.7	17.3	16.9	16.5	14.5	11.7	8.5	7.2	7.6	7.6
130°	15.3	15.3	14.9	14.5	13.7	12.1	9.7	6.8	6.4	6.8	6.8
132.5°	12.9	12.9	12.9	12.1	11.3	10.1	7.6	5.6	5.2	6.0	6.0
135°	10.9	10.9	10.9	10.1	9.3	7.6	5.6	4.4	4.4	5.2	5.2
137.5°	8.9	9.3	8.9	8.0	7.2	6.0	4.4	3.2	3.6	4.4	4.4
140°	7.2	7.2	6.8	6.4	5.2	4.0	2.8	2.4	3.2	3.6	3.6
142.5°	5.6	5.6	5.2	4.4	3.6	2.8	1.6	1.6	2.4	2.8	2.8
145°	4.0	4.0	3.6	2.8	2.0	1.2	0.4	0.8	1.6	2.0	2.0
147.5°	2.4	2.4	2.4	2.0	1.2	0.4	0.0	0.4	0.8	1.2	1.2
150°	1.6	1.6	1.6	1.2	0.8	0.0	0.0	0.0	0.4	0.8	0.8
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)